

WHAT IS CLAIMED IS:

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1. A drive transmission apparatus comprising:
a first coupling portion having a polygonal
5 shape;

a second coupling portion having a hole
portion which has a cross-sectional configuration
larger than said first coupling portion, said hole
portion being engageable with said first coupling
10 portion; and

a center shaft provided on said first
coupling or said second coupling, said center shaft
penetrating the other one of said first and second
coupling.

2. An apparatus according to Claim 1, wherein
said first coupling portion receives a driving force
from said second coupling portion.

3. An apparatus according to Claim 1, wherein
said second coupling portion is movable in an axial
direction of said center shaft, and is provided with
an urging means for urging said second coupling in the
axial direction of said center shaft.

4. An apparatus according to Claim 1, wherein
said center shaft has a taper configuration at the end

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portion.

5. An apparatus according to Claim 1, wherein said first coupling portion has a twisted projection having a polygonal cross-section.

6. An apparatus according to Claim 1, wherein the hole portion of said second coupling portion has a polygonal cross-section.

7. An apparatus according to Claim 5 or 6, wherein said polygonal hole portion of said second coupling portion is twisted.

8. An apparatus according to Claim 1, wherein said center shaft is rotatable integrally with said first and second coupling portions.

9. An apparatus according to Claim 8, further comprising brake means actable on said center shaft in its circumferential direction.

10. An apparatus according to Claim 9, wherein said brake means applies a frictional force to said center shaft.

11. An apparatus according to Claim 10, wherein

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the frictional force is applied by an elastic member contactable to said center shaft.

5 12. An apparatus according to Claim 9, wherein said brake means is a powder-brake.

13. An apparatus according to Claim 9, wherein said brake means is provided with a torque!!.

10 14. An apparatus according to Claim 9, wherein said brake means includes magnetic force applying means for applying a magnetic force to said center shaft.

15 15. An image forming apparatus comprising:
a photosensitive member;
charging means for charging said
photosensitive member;
image forming means for forming an
20 electrostatic image on said photosensitive and charged
by said charging means;
developing means for developing the
electrostatic image;
transferring means for transferring the image
25 developed by said developing means onto a recording
material;
a driving source;

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unit

a driver for transmitting a driving force
from said driving source to said photosensitive
member;

5 a first coupling portion having a polygonal
shape;

a second coupling portion having a hole
portion which has a cross-sectional configuration
larger than said first coupling portion, said hole
portion being engageable with said first coupling
10 portion; and

a center shaft provided on said first
coupling or said second coupling, said center shaft
penetrating the other one of said first and second
coupling;

15 wherein said photosensitive member has one of
said first coupling portion and said second coupling
portion, and said driver as the other coupling
portion.

20 16. An apparatus according to Claim 15, wherein
said first coupling portion receives a driving force
from said second coupling portion.

25 17. An apparatus according to Claim 15, wherein
said photosensitive member is positioned currently
relative to said image forming apparatus using said
center shaft.

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18. An apparatus according to Claim 15, wherein said center shaft has a taper configuration at the end portion.

5 19. An apparatus according to Claim 15, wherein said first coupling portion has a twisted projection having a polygonal cross-section.

10 20. An apparatus according to Claim 15, wherein the hole portion of said second coupling portion has a polygonal cross-section.

15 21. An apparatus according to Claim 15, wherein said polygonal hole portion of said second coupling portion is twisted.

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20 22. An apparatus according to Claim 15, wherein
8. An apparatus according to Claim 1, wherein said center shaft is rotatable integrally with said first and second coupling portions.

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25 23. An apparatus according to Claim 15, further comprising brake means actable on said center shaft in its circumferential direction.

24. An apparatus according to Claim 23, wherein said brake means applies a frictional force to said

center shaft.

25. An apparatus according to Claim 24, wherein the frictional force is applied by an elastic member contactable to said center shaft.

26. An apparatus according to Claim 23, wherein said brake means is a powder-brake.

27. An apparatus according to Claim 23, wherein said brake means is provided with a torque.

28. An apparatus according to Claim 23, wherein said brake means includes magnetic force applying means for applying a magnetic force to said center shaft.

29. An apparatus according to Claim 15, wherein said transferring means includes an intermediary transfer member.

30. An apparatus according to Claim 15, wherein said photosensitive member is a part of a unit including process means actable on said photosensitive member.

31. An apparatus according to Claim 30, wherein

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said process means includes at least one of said charging means, said developing means and cleaning means for cleaning photosensitive member.

5 32. A process unit which is detachably mountable to an image forming apparatus having a driving portion, said process unit including process means actable on the photosensitive member, said process unit comprising:

10 a first coupling portion having a polygonal shape and engageable with the driving portion of the main assembly of the apparatus;

15 a hole portion engaged with a center shaft penetrating an engaging portion between said first coupling portion and the driver.

20 33. A process unit according to Claim 32, wherein said process unit is positioned correctly relative to said image forming apparatus using said center shaft.

25 34. A process unit according to Claim 32, wherein said center shaft has a taper configuration at the end portion.

35. A process unit according to Claim 32, wherein said first coupling portion has a projection having a polygonal cross-section.

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36. A process unit according to Claim 35, wherein said polygonal portion is twisted.

5 37. A process unit according to Claim 32, wherein said first coupling portion has a hole portion having a polygonal cross-section.

10 38. A process unit according to Claim 37, wherein said hole portion is twisted.

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15 39. A process unit according to Claim 32, wherein said center shaft is rotatable integrally with said first coupling.

40. A process unit according to Claim 39, further comprising brake means actable on said center shaft in its circumferential direction.

20 41. A process unit according to Claim 40, wherein said brake means applies a frictional force to said center shaft.

25 42. A process unit according to Claim 41, wherein the frictional force is applied by an elastic member contactable to said center shaft.

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43. A process unit according to Claim 40, wherein said brake means is a powder-brake.

44. A process unit according to Claim 40, wherein
5 said brake means is provided with a torque!!.

45. A process unit according to Claim 40, wherein said brake means includes magnetic force applying means for applying a magnetic force to said center
10 shaft.

46. A process unit according to Claim 32, further comprising a photosensitive member.

47. A process unit according to Claim 46, wherein
15 said first coupling portion is provided on said photosensitive member.

48. A process unit according to Claim 32, wherein
20 said process means includes at least one of said charging means, said developing means and cleaning means for cleaning photosensitive member.